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NEWS 2 JAN 08 CHEMLIST enhanced with New Zealand Inventory of Chemicals  
NEWS 3 JAN 16 CA/CAPplus Company Name Thesaurus enhanced and reloaded  
NEWS 4 JAN 16 IPC version 2007.01 thesaurus available on STN  
NEWS 5 JAN 16 WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data  
NEWS 6 JAN 22 CA/CAPplus updated with revised CAS roles  
NEWS 7 JAN 22 CA/CAPplus enhanced with patent applications from India  
NEWS 8 JAN 29 PHAR reloaded with new search and display fields  
NEWS 9 JAN 29 CAS Registry Number crossover limit increased to 300,000 in multiple databases  
NEWS 10 FEB 15 PATDPASPC enhanced with Drug Approval numbers  
NEWS 11 FEB 15 RUSSIAPAT enhanced with pre-1994 records  
NEWS 12 FEB 23 KOREAPAT enhanced with IPC 8 features and functionality  
NEWS 13 FEB 26 MEDLINE reloaded with enhancements  
NEWS 14 FEB 26 EMBASE enhanced with Clinical Trial Number field  
NEWS 15 FEB 26 TOXCENTER enhanced with reloaded MEDLINE  
NEWS 16 FEB 26 IFICDB/IFIPAT/IFIUDB reloaded with enhancements  
NEWS 17 FEB 26 CAS Registry Number crossover limit increased from 10,000 to 300,000 in multiple databases  
NEWS 18 MAR 15 WPIDS/WPIX enhanced with new FRAGHITSTR display format  
NEWS 19 MAR 16 CASREACT coverage extended  
NEWS 20 MAR 20 MARPAT now updated daily  
NEWS 21 MAR 22 LWPI reloaded  
NEWS 22 MAR 30 RDISCLOSURE reloaded with enhancements  
NEWS 23 APR 02 JICST-EPLUS removed from database clusters and STN  
NEWS 24 APR 30 GENBANK reloaded and enhanced with Genome Project ID field  
NEWS 25 APR 30 CHEMCATS enhanced with 1.2 million new records  
NEWS 26 APR 30 CA/CAPplus enhanced with 1870-1889 U.S. patent records  
NEWS 27 APR 30 INPADOC replaced by INPADOCDB on STN  
NEWS 28 MAY 01 New CAS web site launched

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

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FILE 'HOME' ENTERED AT 08:38:45 ON 04 MAY 2007

=> FILE REG

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 08:38:58 ON 04 MAY 2007

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STRUCTURE FILE UPDATES: 3 MAY 2007 HIGHEST RN 934264-62-7

DICTIONARY FILE UPDATES: 3 MAY 2007 HIGHEST RN 934264-62-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

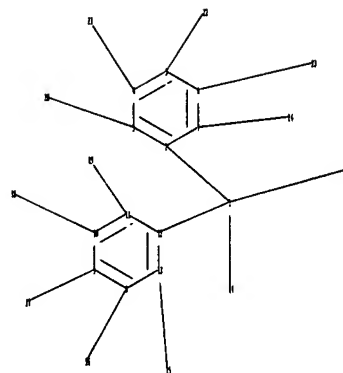
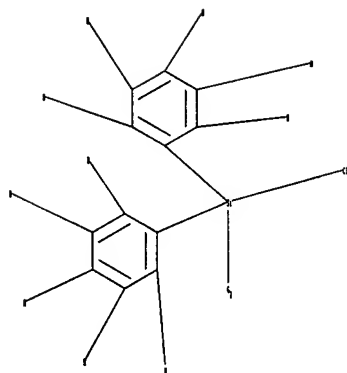
Please note that search-term pricing does apply when conducting SmartSELECT searches.

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Uploading C:\Program Files\Stnexp\Queries\JJP-23.str



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chain nodes :
1 14 15 16 17 18 19 20 21 22 23 24 25
ring nodes :
2 3 4 5 6 7 8 9 10 11 12 13
chain bonds :
1-12 1-2 1-14 1-25 3-20 4-21 5-22 6-23 7-24 8-16 9-17 10-18 11-19
13-15
ring bonds :
2-3 2-7 3-4 4-5 5-6 6-7 8-9 8-13 9-10 10-11 11-12 12-13
exact/norm bonds :
1-14
exact bonds :
1-12 1-2 1-25 3-20 4-21 5-22 6-23 7-24 8-16 9-17 10-18 11-19 13-15
normalized bonds :
2-3 2-7 3-4 4-5 5-6 6-7 8-9 8-13 9-10 10-11 11-12 12-13

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G1:H,Ak

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Match level :
1:CLASS 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS

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L1        STRUCTURE UPLOADED

=> D L1

L1 HAS NO ANSWERS

L1        STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

=> S L1 FULL

FULL SEARCH INITIATED 08:40:01 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 3088 TO ITERATE

100.0% PROCESSED        3088 ITERATIONS

110 ANSWERS

SEARCH TIME: 00.00.01

L2        110 SEA SSS FUL L1

=> FILE CAPLUS

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

172.55

172.76

FILE 'CAPLUS' ENTERED AT 08:40:11 ON 04 MAY 2007

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FILE COVERS 1907 - 4 May 2007 VOL 146 ISS 20

FILE LAST UPDATED: 3 May 2007 (20070503/ED)

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<http://www.cas.org/infopolicy.html>

=> S L2

L3        2057 L2

=> S L3 AND GRIGNARD PROCESS

43808 GRIGNARD

2422400 PROCESS

21 GRIGNARD PROCESS

(GRIGNARD(W) PROCESS)

L4        3 L3 AND GRIGNARD PROCESS

=> D L4 IBIB ABS HITSTR 1-3

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2006:790824 CAPLUS  
 DOCUMENT NUMBER: 145:189020  
 TITLE: Method of making phenyl-containing chlorosilanes with  
 aliphatic or cycloparaffinic hydrocarbon solvents  
 INVENTOR(S): Bauer, Dana C.; Bedbury, Curtis John; Nguyen, Binh  
 Thanh  
 PATENT ASSIGNEE(S): Dow Corning Corporation, USA  
 SOURCE: PCT Int. Appl., 15pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006083665	A1	20060810	WO 2006-US2760	20060125
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

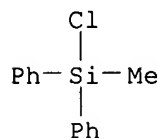
PRIORITY APPLN. INFO.: US 2005-648753P P 20050201  
 OTHER SOURCE(S): CASREACT 145:189020

AB Phenylmethyldichlorosilanes and diphenylmethylchlorosilanes are prepared by Grignard process involving the step of contacting a Ph Grignard reagent, an ether solvent, a trichlorosilane, and an aliphatic or cycloparaffinic hydrocarbon coupling solvent; in a mole ratio of the ether solvent to the Ph Grignard reagent is 2 to 5, the mole ratio of the trichlorosilane to the Ph Grignard reagent is 0.1 to 10, and the mole ratio of the aliphatic or cycloparaffinic hydrocarbon coupling solvent to the Ph Grignard reagent is 3 to 7. Preferred reactants include phenylmagnesium chloride as the Ph Grignard reagent; di-Et ether as solvent; n-heptane as the aliphatic hydrocarbon coupling solvent, or cyclohexane as the cycloparaffinic hydrocarbon coupling solvent; and methyltrichlorosilane.

IT 144-79-6P, Chloro(methyl)diphenylsilane  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of Ph-containing chlorosilanes with aliphatic or cycloparaffinic hydrocarbon solvents via Grignard reaction)

RN 144-79-6 CAPLUS

CN Benzene, 1,1'-(chloromethylsilylene)bis- (CA INDEX NAME)



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2005:673304 CAPLUS

DOCUMENT NUMBER: 143:133536  
 TITLE: Grignard processes with improved yields of  
 diphenylchlorosilanes as products  
 INVENTOR(S): Nguyen, Binh Thanh; Bedbury, Curtis John; Humburg,  
 Roger Edwin; Jacob, Susan Mary; Ratcliff, Sarah Jane;  
 Waterman, John Dennis  
 PATENT ASSIGNEE(S): Dow Corning Corporation, USA  
 SOURCE: PCT Int. Appl., 19 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005068475	A1	20050728	WO 2004-US43005	20041217
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
EP 1701964	A1	20060920	EP 2004-815121	20041217
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS			
CN 1902208	A	20070124	CN 2004-80039957	20041217
US 2007066826	A1	20070322	US 2006-585154	20060629
PRIORITY APPLN. INFO.:			US 2004-534443P	P 20040106
			WO 2004-US43005	W 20041217

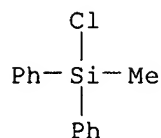
OTHER SOURCE(S): CASREACT 143:133536

AB A Grignard process for preparing phenyl-containing chlorosilane products, in particular diphenylchlorosilanes, is carried out in three embodiments. In the first embodiment, the reactants of the Grignard process are a Ph Grignard reagent, an ether solvent, a trichlorosilane, and an aromatic hydrocarbon coupling solvent. In the second embodiment, the reactants of the Grignard process are a Ph Grignard reagent, an ether solvent, a phenylchlorosilane, and an aromatic hydrocarbon coupling solvent. In the third embodiment, the reactants of the Grignard process are a Ph Grignard reagent, an ether solvent, a trichlorosilane, a phenylchlorosilane, and an aromatic hydrocarbon coupling solvent. In each embodiment, the reactants are present in a particular mole ratio.

IT 144-79-6P, Chloro(methyl)diphenylsilane  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (improved yields for preparation of chlorodiphenylsilanes via Grignard method)

RN 144-79-6 CAPLUS

CN Benzene, 1,1'-(chloromethylsilylene)bis- (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:991235 CAPLUS  
DOCUMENT NUMBER: 140:16814  
TITLE: Preparation of organosilicon intermediate and their derivatives in a novel Grignard process  
INVENTOR(S): Nguyen, Binh T.  
PATENT ASSIGNEE(S): Dow Corning Corp., USA  
SOURCE: U.S. Pat. Appl. Publ., 5 pp.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003233005	A1	20031218	US 2002-172443	20020613
US 6686492	B2	20040203		
WO 2003106465	A1	20031224	WO 2003-US16306	20030523
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2003231820	A1	20031231	AU 2003-231820	20030523
EP 1513851	A1	20050316	EP 2003-760223	20030523
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
JP 2005529955	T	20051006	JP 2004-513296	20030523
CN 1688591	A	20051026	CN 2003-816950	20030523
IN 2004MN00710	A	20051118	IN 2004-MN710	20041209
PRIORITY APPLN. INFO.:			US 2002-172443	A 20020613
			WO 2003-US16306	W 20030523

OTHER SOURCE(S): CASREACT 140:16814; MARPAT 140:16814

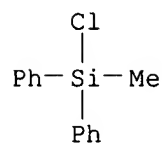
AB A one-step process for the preparation of organosilicon intermediates. The organosilicon intermediates comprise a group which includes such intermediates as 1,4-bis(dimethylsilyl)benzene, 1,4-bis(dimethylchlorosilyl)benzene, and their derivs. The process comprises: combining a dihalobenzene with magnesium metal in a co-solvent mixture of an ether and an organic solvent and reacting them with an organosilicon compound of the general formula, R<sub>2</sub>bHcSiXd. The resulting mixture is allowed to react to completion. The resulting mixture is passed through a filtration device. The liquid, now free of solid magnesium halide, is subjected to a separation technique to recover the subject organosilicon intermediates and their derivs. Thus, Grignard reaction of PhMgCl with MeSiCl<sub>3</sub> in Et<sub>2</sub>O followed by separation with PhMe gave PhMeSiCl<sub>2</sub>.

IT 144-79-6, Chloro(methyl)diphenylsilane

RL: RCT (Reactant); RACT (Reactant or reagent)  
(preparation of organosilicon intermediate and their derivs. in novel Grignard reaction of halosilane)

RN 144-79-6 CAPLUS

CN Benzene, 1,1'-(chloromethylsilylene)bis- (CA INDEX NAME)



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	ENTRY	SESSION
FULL ESTIMATED COST	21.71	194.47
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-2.34	-2.34

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